0232

Members of Party.

Bradford Wheeler	Assistant Engineer	Sacramento.
Drury D. Butler	Transit man	"
Erledean O. Henderson	Head Chainman	Stockton
Merwyn M. Isham	Rear Chainman	Courtland.
Thomas B. Leeper	Stake puncher	Sacramento
Clarence H. Brown	Back Flagman	Stockton.
Norbert Masher	Stake puncher	Clarksburg
Lee A. Duncan	Stake Artist	Sacramento.

0233

Index

Page 2

Members of Party 1

D line Location from E 733+27.5 P.O.T. = D 733+71.5 B.C. 2°30'44"
to D 1108+65.5 △ = T 1107+60.5 △ 6 to 29

H Line Location on Franklin Road from D Line to River 51-57

H " Topography of " " " "H" 719+ to "H" 740+ 5

Meander Lines of Snodgrass Slough pages 30-40, 47-49, 59-60

" " " Anderson Lake " 43-44

" " " Drainage Canal " 45-46

"T" Line Location from "D" 1108+65.3 △ on Tang = "T" 1107+60.5 E.C. to
"T" 1197+43.7 △ on Tang = "E" 1420+45.5 E.C. 61-65

"S" Line Location from "E" 1394+09 △ on 1°30' curve = "S" 1169+66.5 △ on Tang
to "S" 1183+45.24 △ Sp. Sw = "T" 1183+45.24 △ on Tang. 66-67

Connection of "T" and "S" Lines with Property Lines 68

Property Lines. S.E. corner of Sec. 35. T 6 N. R 4 E. 70

Survey of Borrow Pit on "H" Line showing Strip to be Deeded to Hood Improvement Co. 70

" " Strip of Land (marked "Reserved" on map of Hood) to be deed to the
Central Pacific Railway by the Hood Improvement Company. 71

Meander Lines of Snodgrass Slough:-

M Line begins 47

M_2 " " 48

M_3 " " 49

M_4 " " 50

Location of New Freeport Telephone + Telegraph Co. Poles and Farmer's Telephone Line Poles at Hood 4

0234

Location of New Freeport Telephone and Telegraph Company Poles and Farmer's Telephone Line Pole at Hood along Sacto River Front.

Field Notes taken by E. P. Griffith, Dec. 3, 1912.

0235

(For Original Cross Sections of "H" Line see Book #22 Page 1)
(For level notes of "H" Line see Level Book #13 Page 46)

+03.8 △ B.C.

740

739

738

737

+80 △

736

+56 △

735

734

733

732

731

730

729

728

727

726

725

724

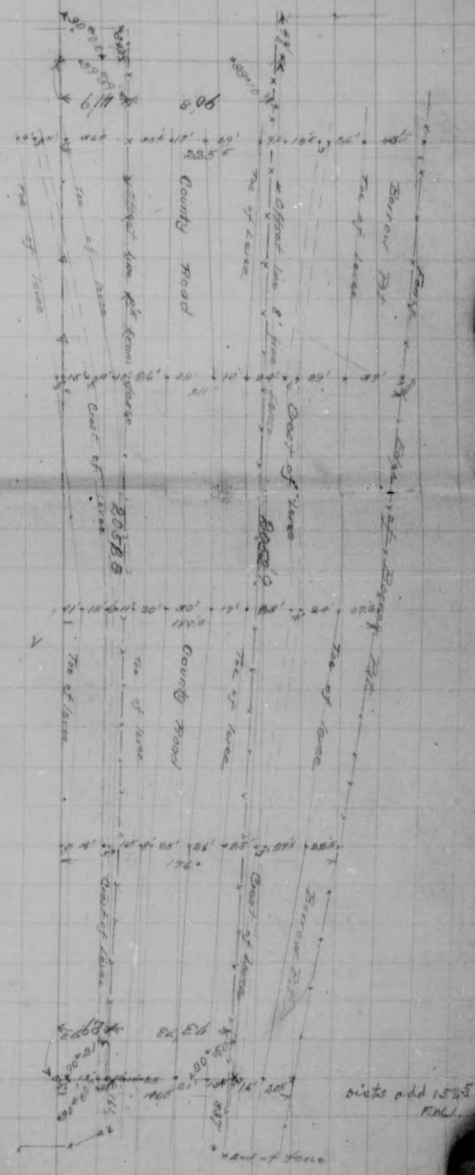
723

722

721

720

H 719+51' △ E.C.



"D"

6

	Deflection Angles	
	Deflection Angles L.	Deflection Angles R.
743	0°15'	
+50	0°07½'	
+11		
742	0°	
+75	2°00½'	2°04'
+60		
+52		
+50	1°32½'	
741	1°45'	
+50	1°32½'	
740	1°30'	
+50	1°22½'	
739	1°15'	
+50	1°07½'	
738	1°00	
+50	0°32½'	
737	0°45'	
+50	0°37½'	
736	0°30'	
+50	0°22½'	
735	0°15'	
+50	0°07½'	
734	0°00	

Total Curvature 9°42.32

Cultivated Ground
Johnston Estate

Borrow pit

Toe of Levee

Hub on East of Levee

Toe of Levee

Fence

Hub near Fence

Hay Field and Pasture Reclaimed

For Levels on "D" Line (See Level Book #13. Page 4.)

D 733+71± △ B.C. 0°30'± 0°04' S

E 733+71± △ P.O.T.

Calculated Course S. 2°31' W.

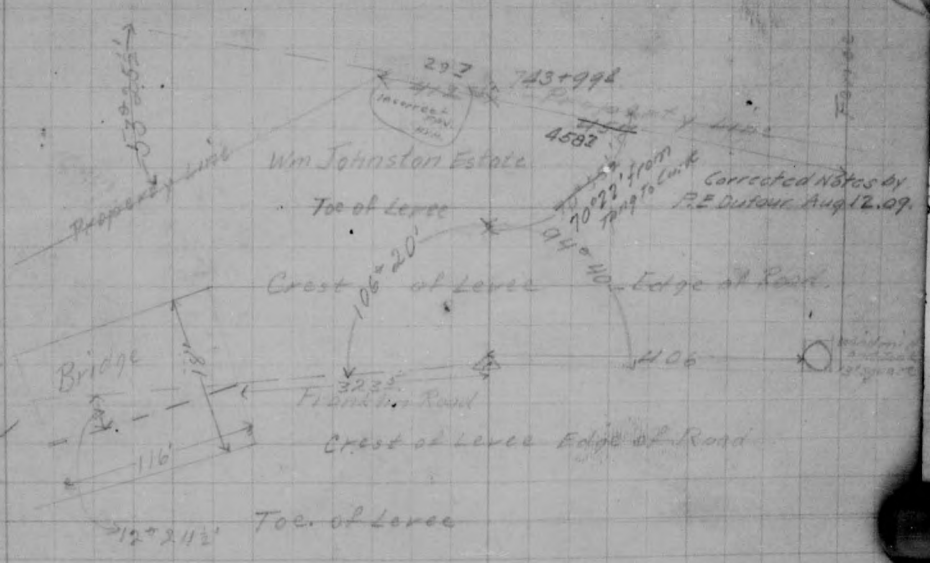
Continued from Transit Book #7, page 26.

Note all angles are turned to tangent to curve at that point

0237

	Defl.	Defl.
750		1°37½
750		1°30
750		1°22½
749		1°15
750		1°07½
748		1°00
750		0°52½
747		0°45
750		0°37½
746		0°30
750		0°22½
730		
128½		
745		0°15
750		0°07½

744		0°00
744		
+99		
769		
752		
750		
739		
725		



"D"

765
+50
764
+50
763
+50
762
+50
761
+50
760
+50
759
+50
758

S 26° 05' E.

Course S. 7° 12' E.

Fence Property Line

E.A. Gammon

+50
757
+50
756
+50
755
+50
754
+50
+31.8 E.C.
753
+50
752
+50
751

Magnetic Course

Calculated

Fence

Henry Frey
Hay Field Partially Reclaimed

See Level #13, page 13.

0239

"D"

+50
777
+50
776
+50
775
+50
774
+50
773
+50
772
+50
771
+75

Mrs E.A. Runyon
Pasture. Partially Reclaimed

Frey Runyon Fence

S 7° 17' E

Private Road 8' wide.

+50
770
+50
+42
+39 Fence
+
769
+50
768
+50
767
+50
766
+50

Calculated Course

Ditch 3' wide 3' deep along fence
Fence Property Line
9.78
5.015
8.052
102.30

Henry Frey
Hay Field. Partially Reclaimed

Levee

Fence

Fence Property Line
E.A. Sommers

D

+50
7.82
+50
791
+50
790
+50
789
+50
788
+50
787
+50
786
+50

Mrs E.A. Runyon
Pasture Partially Reclaimed

STATE

785
+50
784
+50
783
+50
782
+50
781
+50
780
+50
779
+50
778

Calculated Course

"D"

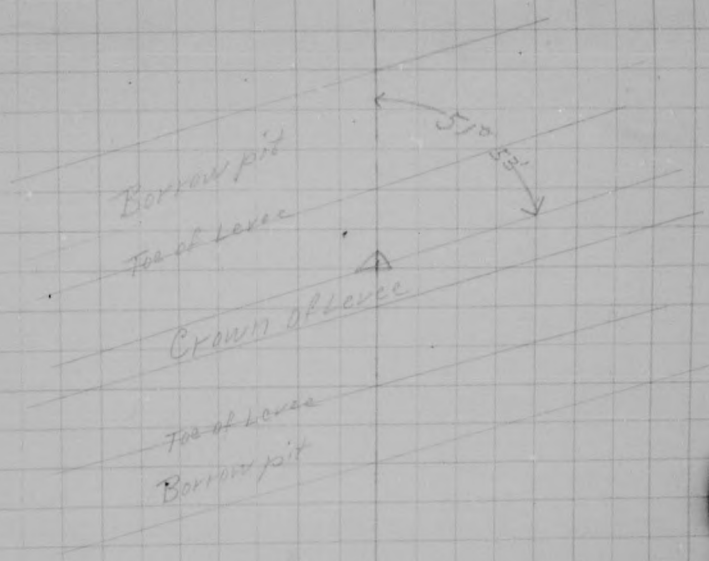
11

+50
803
+50
802
+50
801
+50
800
+50
799
+50
798
+50
797
+50

Mrs E.A. Runyon
Pasture Unreclaimed

796
+80
+50
795
+64
+50
+18
+16
794
+79
+50
+27
793
+50
793

Calculated Course S 7°17' E



0242

"D"

818
+50
817
+50
816
+50
815
+50
814
+50
813
+50
812
+50
811

Course S.S.E. + 17' E.

Mrs E. A. Runyon
Pasture Unreclaimed

+50
810
+50
809
+50
808
+50
807
+50
806
+50
805
+50
804

Calculated

Line to Mount Grove

0243

D

+09

832

+59

+50

831

+50

830

+50

829

+50

828

+50

827

+50

826

Course S. 7°17' E.

+50

825

+50 △ Edge of Tule

824

+50

823

+50

822

+50

821

+50

820 △

+50

819

+50

Calculated

+75 +23'

Slough

26'

Tule

△ Sunk 04'

△

0244

D

844
+50
843
+50
842
+60
+50
+122³
841
+50
840
+50
+108
839
+50

Clarke Lake
Edge Tule = +60

Edge Tule = +50

Tule

Tule

+50 100

838
+50
+20
837
+50
836
+50
835
+50
+45 Edge of Tule
834
+50
833
+60³
+50

Water and weeds

450'

Open water

Clarke Lake

Water and Weeds

Edge Tule = +45

100 +45

100

Tule

Sloughs

Tule

D

857
+50
856
+50
855
+50
854
+50
853
+50
852
+50
851
+56
+24½

Clarke Lake
Depth 4 to 6'
Chained across by stakes set
from boats and heads set in
line of stakes on the right
distance

Edge Tule = +50

850
+50
+25
849
+50
848
+50
+20
847
+90
+50
846
+50
845
+50

Tule

Edge Tule = +25

Clarke Lake

100
Tule Island 50 Sept 11 1907
260

Clarke Lake

D

+50
870
+50
869
+50
868
+50
867
+50
866
+50
865
+50
864
+50

Clarke Lake

Sept 12 1907

+50 Edge of water weeds

+20
863
+81.2 △
+50
+20
862
+50
861
+50
860
+50
859
+50
858
+50

+20 Edge of Tule

150 30'4 Tule

+20 Edge Tule

+50 Edge of water weed

Clarke Lake

0247

D

17

+75
+50
882
+75
+50
+23½ △
881
+50
880
+75
+50
879
+50
878
+50

Tule

Clarke Lake
Dominic Pond

+75 Edge of weeds

+75 Edge Tule

△301

Tule

+75 Edge of Tule

Clarke Lake

877
+50
876
+50
875
+82
+50
874
+50
+28
873
+50
872
+50
871

Sept 13 1907
+82 Edge of weeds

Water weeds

+28 Edge of weeds

Clarke Lake

0248

+425
+50
896
+50
895
+50
894
+50
893
+50
892
+50
891
+50
890.

Tule

Water weeds

Clarke Lake

50'

950

+50
889
+50
888
+50
887
+50
+45
886
+50
885
+50
884
+50
883

40'

Tule

35

+45 Edge of Tule

Tule

Water weeds

Clarke Lake

0249

D

910
+50
909
+50
908
+50
907
+50
+25
906
+59
+50
905
+50
+082

Pasture Fred Ebrhardt

See page 70
— See page 41 —

Road

+50 Fence 1351/32

Property line Township line Center of road +50

239 37

+59 Fence

Sept. 14, 1922

Pasture 82°38'

C. M. Clarke.

904
+50
903
+50
902
+50
901
+50
900
+50
899
+50
898
+50
897

Tule

To line to water [illegible]

0250

Sept. 14. - 1907.
P.E.D.

Sta.
"D" 924
+50
923
+50
922
+50
921
+50
920
+50
919
+50
918
+68
+50

F. Ehrhardt

Pasture

— see pages 45 - 46. —

39°49' R

+32 Edge of Drainage Canal

Drainage Canal.

+32 Edge of Drainage Canal

+32
917
+50
916
+50
915
+50
914
+50
913
+50
912
+50
911
+50

Pasture

0251

Sta.

D +31.2

934

+50

+90.2

933

+50

932

+85

+83

+50

931

+99

+95

+61.2

+56

+50

+43

930

+50

+75

+74

+50

927

+50

928

+50

+

907

+50

926

+50

925

+50

Beginning of Tales

279.40

93°54'

1937+52

84°14'

36°55'

454.80

9. Edge of Borrow Pit

81°32'

Anderson

185.0 × 10.2

Levee

T Line

1930+19.2

N. Edge of Borrow Pit — See pages 42 to 44 —

9 Mile

Colorado Course

T Ehrhardt

Pasture

0252

Sta
D 963
962
961
960
959
958
957
956
955
954
953
952
951
950
949

S. 7° 19' E

F. Elkhorn

Tules

948
947
+4920
946
945
944
943
942
941
940
939
938
937
936
935

Calculated Course

19°31'

Fence

Tules

0253

No.	D
1	1.2285
2	0.983
3	0.983
4	0.983
5	0.983
6	0.983
7	0.983
8	0.983
9	0.983
10	0.983
11	0.983
12	0.983
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14	0.983
15	0.983
16	0.983
17	0.983
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1000	0.983

Calculated Course

F Ehrhardt

Tulsa

S 97°17' E

Mrs Mary Keeno

Tulsa

Property Line

Smoke Stack

PIERSON DISTRICT PUMPHOUSE

0254

Pt.	
D 1023	
1022	
1021	
1020	△
1019	
1018	
1017	
1016	
1015	
1014	
1013	
1012	
1011	
1010	△
1009	

S. 7°17' E.

Mrs. Mary Keamo

Tulsa

1008	
1007	
1006	
1005	
1004	
1003	
1002	
1001	
1000	△
999	
998	
997	
996	
995	
994	

Calculated Course

Tulsa

0255

Sta

D 1052
1051
1050
+75
1049
1048
1047
1046
1045
1044
1043
1042
1041
1040
1039

970 17' E

Tides

1038
1037
1036
1035
1034
1033
1032
1031
1030
1029
1028
1027
1026
1025
1024

Calculated Course

Tides

0256

Sta	Defl.	Total Angle
D 1074		
+50		
1073		
+50		
1072		
+50		
+27.62	T.C. 33° 15½'	
1071		
1070		
1069		
1068		
1067		
+48		
+44		
+30		
+26		
1066		
1065		
1064		
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1053		

Calculated Course

S 70° 17' E

SWAMP LAND SURVEY 1888

Mrs. Ino Langdon

1 Chain

1 Chain

D 1066+38.5 = 0+00

82° 32½'

71.45

N 49+05.0

N 49+41.35

58° 39½'

N 52+15.0

Tie

Tie

D 1071+27.62 B.C. 1° Rt

D 1066+37

82° 9'

+37

+09.2

B.C. 1° Rt

Sta	Deflect.	Total Angle
D 1089	1°45'	
+50	1°30'	
1088	1°15'	
+50	1°0'	
1087	0°45'	
+50	0°30'	
1086	0°15'	
+50	△ 3°0'	7°13¾'
1085	2°45'	
+50	2°30'	
1084	2°15'	
+50	2°0'	
1083	1°45'	
+50	1°30'	
1082	1°15'	
+50	1°0'	
1081	0°45'	
+50	0°30'	
1080	0°15'	
+50	△ 2°0'	4°13¾'
1079	1°45'	
+50	1°30'	
1078	1°15'	
+50	1°0'	
1077	0°45'	
+50	0°30'	
1076	0°15'	
+50	△ 2°6¾'	2°25¼'
1075	1°51¾'	
+60	1°36¾'	

Length of Curve 3325.88

Semi Tangent 1711.26

Tubes

Tubes

0258

Sta.	Def	total Angle
D 110R	0°30'	
+50	0°15'	
1101	2°0'	14°51½'
+50	1°45'	
1100	1°30'	
+50	1°15'	
1099	1°0'	
+50	0°45'	
1098	0°30'	
1097 +63		
+58		
+56		
+		
+53	center of ditch	
+50	0°15'	
1097	2°45'	12°51½'
+50	2°30'	

Bear Slough
Dredger
Dredger
Dredger

T 1107 + 60.5 △
D 1108 + 65.5 △
+50
1108
+50
1107
+50
1106
+50
1105
+53.45 △ 1°46' 16°57¾' E.C. 1° Rt
+50 1°45'
1104 1°30'
+50 1°15'
1103 1°0'
+50 0°45'

T.C. 33°15¼'

S 22° 55' W

Continued on page 61. Notes copied from Transit Book #11 △ page 38. Oct. 14, 1911. H.V.M.

1104 + 53.45 E.C. 1° Rt.

T 1108

Con- Meander of Snodgrass Slough Nov. 18. 1907

N.

32
31
30 — 33°20' Lt — 324°.0' W. — 30+0.0
29
28 — See pages 34, 35 for topog.
27
26
25
24 — 65°42' R — 357°32' W. — 24+0.0
23
22
21
20
19
18

SLOUGH

West Bank: 159' 244' 293' 298' 295' 270' 212'

17
16
15
14
13
12
+35.2 — 4° 0' Lt — 38° E — 12+35.0
11
10
N 9+64.3 — 36°.01' Rt — 34° E — 9+64.3
N 5+17.5 — Continued from page 47 — 5+17.5

S 84°10' W
S 57°30' W
S 44°10' E
S 40°10' E
S 40°31' E

SNODGRASS

South: 149' 121' 109' 108' 98' 92' 96' 95'

Pasture

0261

M

Meander of Snakgrass Slough

51
50
+10 △ 27°30'L+ S 35°30'E S 36°0'E △ 49+10
49
48
47
46
45
+80 △ 34°40'L+ S 37°0'E S 38°0'E △ 44+80
44
+87
+59
43
+65 △ 39°0'L+ S 27°0'W. △ 42+65

73' 13'
74' 15'
82' 37'
86' 19'
Slough
South West Bank
Beaver cut
76' 27'

+12
42
41
40
39
+10 △ 30°30'R+ S 66°0'W S 66°0'W △ 38+10
38
37
+60
+15
36
+35
35 △ 11°20'R+ S 33°0'W
34 M+39+16 △
33
S 29°0'W S 35°30'W S 30°30'W
M+35+45 △

18'
Beaver cut
76' 21'
78' 18'
91' 10'
90' 5'
84' 1'
5'
NODAHAS
Dodger cut
67
65
60
118' 54'
188.5
110'
30
16
See page 35

0262

M

Meander of Snodgrass Slough

Continued on page 33

M 64
63
62
+ 95
+ 55
+ 15 △ 59°40' Lt S 25°0' E
61
60
59
58

S 25°0' E
S 34°40' W

112' × 48'
100' × 20'
20'
Beaver Cut
110'
31 0 0 4 H
31' △ 61+15
8'
BANK
76' × 43'

+45 △ 25°30' Lt S 34°30' W
57
56
+35 △ 15°0' Lt S 60° W.
55
54
53
+70 △ 58°20' Rt S 75° W
+56
52
51 + 35 △ 52°10' Rt S 16°50' W

S 60° W
S 75° W
S 16°50' W

80' × 62' △ 57+45
87' × 34' △ 56+35
86' × 44'
119' 3' △ 52+70
84' × 7' △ 51+35

9 N 0 D G 7 9 4 9 3
WEST

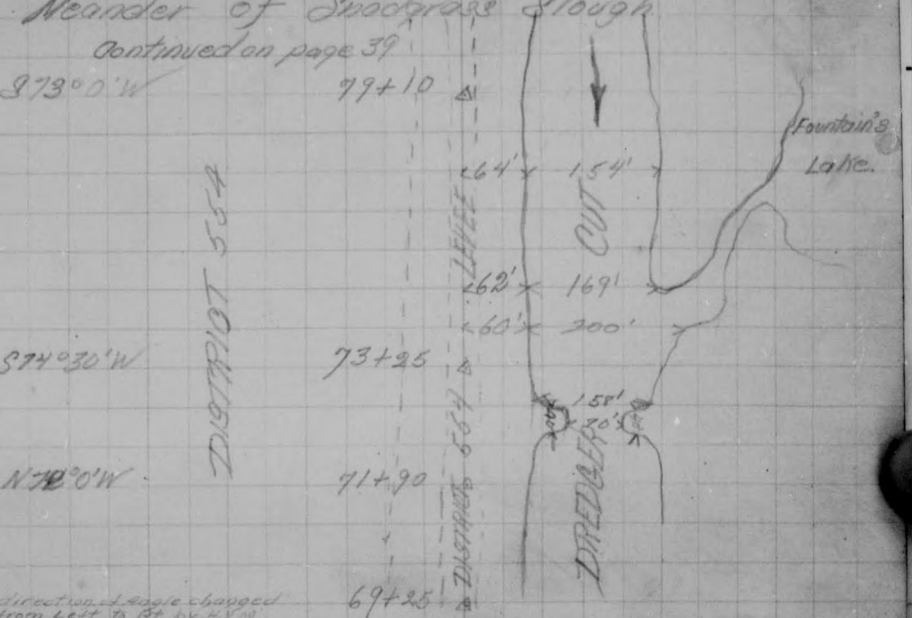
M

Meander of Swordgrass Slough

continued on page 39

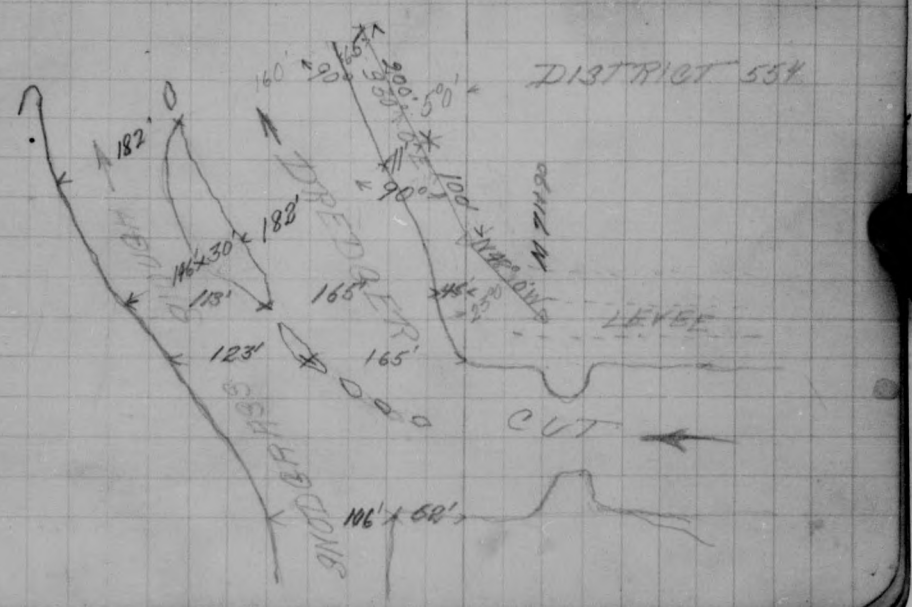
+ 10	1°40' Lt	S73°0' W	79+10
79			
78			
77			
76			
75			
74			
+ 25	33°30' Lt	S74°30' W	73+25
73			
72			
+ 90	24°0' Lt	N72°0' W	71+90
71			
70			
N69+25	157° Rt	directional angle changed from Left to Rt by H.K.M.	69+25

S72°50' W
S72°30' W
N72°0' W
N42°0' W



N 69 + 25	
69	
+ 50	
68	
+ 23	
67	
66	
65	
64 + 80	

S65°0' E



N 35°45' W

N

Meander of Snodgrass Slough

N					
20			S 34° 0' E	38'	90'
21					
+10	30°00'Lt	S 50° 50' E		20+10	
20				29'	80'
19					
18				128'	79'
+75	27°40'Rt	S 50° E	S 4° 0' E	17+75	
		S 51° 30' E			
17					
16				88'	76'
15				14+50	
14+50	24°30'Rt		S 31° 30' E		
		S 56° E			
14	55° Lt		S 56° E	14+00	6' 82'
13					
+35				Beaver Cut	4'
+5					
12				13	97'
+65	37°57½'Rt	S 1° 0' E	S 1° 0' E	11+65	
11					
N 10+91.4	0°				
N 5+98.31		S 38° 57½' E		6+98.31	

Willow Brush

SNODGRASS SLOUGH

SOUTH EAST

WILLOW BROOK

THICK

Continued from page 81

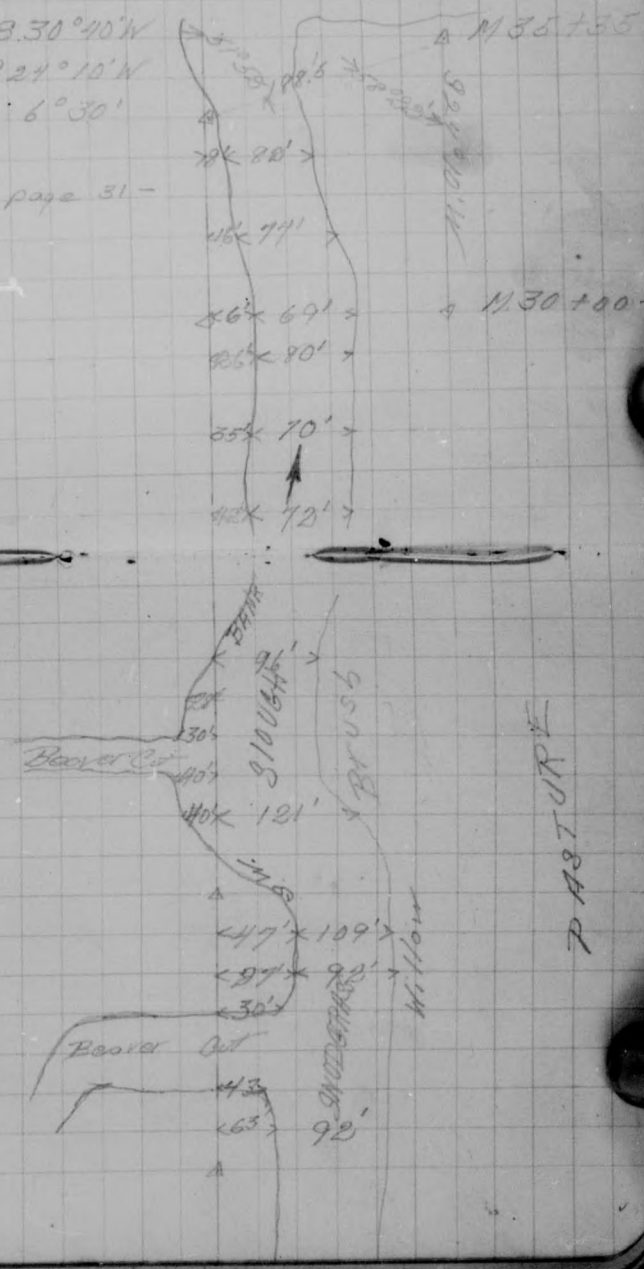
M4 Meander of Sandgrass Slough

Col M4 S.30°40'W
" M. S.21°10'W
Diff 6°30'

- See page 31 -

+15 △
39
38
37
36
+65 △ 24°0'Lt S30°30'
35
34
33
32
31

S30°40'W



30
+65
29
+82
+52
28
+49
27 △ 58°40'Rt
26
25
+15
24
+81
23
M4 22+90 △ 34°10'Rt South

S.58°40'W

South

Meander of Snodgrass Slough

N3						
28				48'	18'	
27		N8°10'E	Con- page 59.			
26				49'	16'	
25						
+65	△ 23°20' Rt.		N8°E	50'	7' △	24+65
24						
23				61'	5'	
22		N15°10'W		58'	70'	
+22						
21					BEAVER OUT	
+97				78'	41'	
+05	△ 62°10' Lt.		N15°W		△	20+05
20				57'	76'	
19				55'	35'	
18				53'	20'	
17						
16		N47°10'E		50'	8'	
15						
14				54'	18'	
+15						
13					BEAVER OUT	
+93				54'	19'	
12					13'	
+80	△ 37°50' Rt.		N47°E		4' △	11+80
11					3'	
N3 10+90	△ 3°½ Rt.	N9°30'E	N9°E		△	10+90
N3 9+34.8	△		See page 49		△	6+34.8

ISLAND

SLOUGH

N.E. BANK

SNODGRASS

TULES

TULES

0267

M2

Meander of Snodgrass Slough.

Cal. M3 Line N15°0'W
Continued on page 40 " M2 " N4°29'E
Diff. 19°29'

55+60

+60
55
54
53
52
51
50
49
48
47

N4°29'E

551

<70' x 65' x 117'

<65' x 127'

M3 62+90

N15°0'W

54+65

46
45
44
43
42
41
+60
40
39
38
37
36
35
34
M33

N4°29'E

DISTRICT

OREGON LEVEE

<67' x 130'

<65' x 125'

N.E. BANK OF DREDGER CUT

ISLAND

Continued from page 38

Continued on page 37

Meander of Snodgrass Slough

M2 +50 N4°00'E

32 +70 △ 32°0' Rt N4°30'E 31+70

+85

31

30

29

28 +90 N27°30'W

27

26

25

+45.4 △ 27°0' Lt N27°30'W 24+45.4

24

+63

23

DISTRICT 551

<66' × 150'

+45.4

<35.23 × 143'

<65' × 51' × 98'

43 × 64 × 147'

48 × 74 × 96'

40 × 92' × 111'

LEVEE

ORESI

DREDGER OUT

ISLAND

TULES

22

21

+40 N0°30'W

20

19

+06 △ 7°50' Lt N°30'W 18+06

18

17

16

15

+7 N7°19'E

14 +7

+13

13

DREDGER OUT

<63' × 74'

<46 × 79'

44' × 71'

45 × 74'

38 × 75'

25 × 75'

25' ×

3'

SLOUGH

SNODGRASS

M2 12+32.83 △ 3°30' Lt N7°0'E 12+32.83

Continued from page 49.

Error in bearing Butler

See page 49

See page 48

M2 10+00 △ N10°29'E 10+00 △

Col. H Line S 80°40'W
" T " S 25°58½ W
Diff 54°41½

H. +20 △
88
87
86
85
84
83
+90 △ 7°50'W S 81°0'W
82
81
80

S 80°40'W

DISTRICT 55

88+20

82+90

LEVEE

149.06'

76.5'

CUT
208'

DREDGED

61' × 125'

T 1769+53.3

SOUTHERN R.R.
S 25°58½ W

Continued from page 33

0270

Note- pipe at center of Sec 14 was not found but was referenced in conformance from D Butler

Cor of Sec 14 T5N R4E

Iron Pipe

A Eastman

Lester Green

Reel Dist N 55° Levee

To Walnut Grove

Continued from page 37

Sacramento To Sacramento

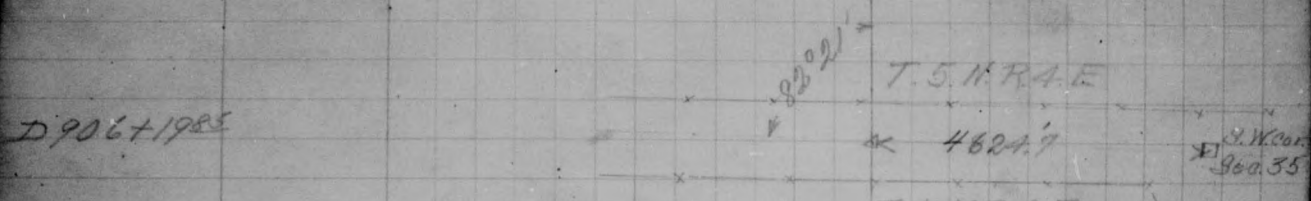
Cor of Sec 14 T5N R4E

Diff 42°32'

0271

Oct 8-1907

— See page — 19 —



Note — The location of this corner was gotten from information of Mr. Fred Ehrhardt that the intersection of the Fence between C.W. Clarke and Jno. Herzog with the township line (center of road) is the section corner. Actual corner post was not found.

Meander of Andersons Levee

AL. 9 8+87.20 △
BD. 14+32.03 △

8
7
6
5
4
3
2
1
+45
0+10

D 930+61.4 △
AL. 0+00

N 88°49' W

Pit | Levee | Pit
Borrow | Anderson | Borrow
42' 41' 33' 39'
40' 44' 41' 42'

Crest of levee at break.
Toe " " " "

99°28' Rt N 88°49' W.

8
7
6
5
4
3
+15
2
+85
1

D 930+61.4 △
AL 0+00 △

S 88°49' E

Pit | Levee | Pit
Borrow | Anderson | Borrow
41' 44' 41' 49'
42' 43' 40' 51'

Note – Andersons Levee continues on this same line for at least 3000'

Crest of Levee at break
Toe of " " "

81°32' Lt S 88°49' E

Meander of Anderson Levee.

30
29 Angle Mag. Bear.
28
27
26
25
+50.6
+41.86 △ 21°46' Lt. N80°30'W
24
+15
+5
23
+85
+70
22

N 80°30' W

Levee

<59'> <44'> <27'> <59'>

<37'> <40'> <25'> <72'>

<60'>

Pit

Pit

Wash out

21
20
19
18
17
16
15
+73.05 △ 30°11' Rt. N58°30'W.
14
13
12
11
10
+39
#9+11

N 58°30' W

Anderson

Borrow

Borrow

<42'> <42'> <40'> <39'>

<37'> <48'> <34'> <40'>

<45'> <45'> <35'> <29'>

N. Bank
S.

Drainage | Canal

0274

Meander of Anderson Levee Oct 2, 1907
R.E.D

"A.L."

+13 Water Edge
+5 Crest of Levee
47
+48
+30
46
45
44
43
42
+23.8
+15.00

41
40
39
38
37
36
35
+65
+70 Toe of break.
34
33 " " "
+80
32
31

N 20°24' W

0275

Meander of Drainage Canal

[-Note- Drainage Canal continues on this line to about 17+50]

17
16
15
14
S.D.[2] 13 +53.38
8+37.52

County Road

S 90° 50' E

Telegraph

13
12
11
10
9
8
7
6
5
4
3
2
1
D 9 18+0.0
S.D.[2] 0+0.0 0.0

N 30° 32' E

N 30° 0' E
(B.S. to S.D. 14+39.03)

Bridge partly washed out during flood

6' 47'

18' 27'

S. Bank

Drainage Canal

N. Bank

17' 29'

10' 37'

Pasture

0276

Meander of Sacramento Drainage Canal Oct 3 - 1907
R.E.D.

	Angle	Magnetic Bearing			
+00.65				Tules	Tules
19					
18					
17					
16				6	45'
15		S 42°42' W			
+62					
+42					Private Road Bridge partly Washed out
S.D. 14+82.05	12°10' Rt	S 43° 0' W	Anderson Levee	19	27'
A.L. 8+87.70					
14					
13					
12					
11					
10				17'	23'
9					
8					
7					
6		S 30°32' W			
5				13'	33'
4					
3					
2					
D 918+00					
S.D. 0+00	37°49' Rt	S 30°30' W		10'	37'

S 30°32' W

S 7°17' E

37°49'

Sacramento Drainage Canal

S Bank

N Bank

0277

M Meander of Goodgrass Slough

Cal. Course M Line S 40° 31' E

Angle Mag. Bear. " " Mt " S 38° 57½'

Diff 1° 53½'

+50 56 △

+50

10 +64 2 △ See page 30.

+50

9

+50

8

+50

7

+50

6

Note: See page 30 for Mt Line

Mt 10+94 41

Mt 5+98 81

S 40° 31' E

Mt Line

S 38° 57½' E

80° 05'

147'

10+50 56 △

41'

51'

50'

48'

50'

50'

45'

45'

40'

20'

+50

+17.5 △ 28° 44½' Rt S 41° 0' E

5 +17.5 △

5

+50

4

+50

3

+64 44 △ 18° 50' Lt. S 69° 20' E

2+64 44 △

+50

2

+50

1

0+50

M 0+00 △

+1109+3 83 △ 76° 24' Lt S 51° 0' E

S 50° 50½' W

76°

Sacramento Southern R.R.

To Walnut Grove

16'

7'

12'

13'

19'

6'

11'

14'

9'

7'

3'

5'

Slough

Goodgrass

South Bank

Tules and

Willow Brush

0278

Meander of Snodgrass Slough.

"N"	Angle	Magnetic Bearing				
11						
+50						
10	5°24' Lt	N10°30' E.				10+0.0
+50						
9			N16°15½' E			
+50						
8						
+50						
7						
+50						
+31.34	9°3½' Lt	N16°30' E.				6+31.34
6						
+61.95	63°16' Rt.	N26°0' E				5+61.95
+50						
5						
+50						
4			N37°51½' W			
+50						
+43.44	7°48' Lt	N38°0' W				3+43.44
3						
+50						
+25.08	19°8' Rt.	N34°0' W				2+25.08
2						
+50						
+47.						
+03						
1						
0+50						
M² 0±0.0						
T 1109 +32.2	104°44½' Rt	N49°30' W				

N49°17' W

Tules and Willow Brush

Snodgrass Slough

South West Bank

21' 16' 12' 9' 4' 7' 5' 8' 6' 12' 12' 24' 19' 12' 28' 35' 45' 36' 57' 24'

W. Edge Beaver Cut

E. " " "

15' 18' 13'

104° 4½'

S 25° 58½' W To Sacramento

Sacramento Southern R.R.

Continued on page 36

Meander of Snodgrass Slough

+34.8 △ 12° 4' Lt. N6°30'E.

9

+50

8

+50

7

+50

+34.88 △ 24° 12' Rt. N18°E.

6

+50

5

+50

+27.53 △ 21° 10½' Rt. N6°30'W

4

+50

3

N 12° 9' E

N 6° 9' W

N 12° 13' W

Snodgrass Slough

North East Bank

6' △ 9+34.8

11'

9'

10'

10'

11'

9'

△ 6+34.88

20'

26'

17'

12'

9' △ 4+27.53

15'

21'

28'

Tules

See page 36

+50

2

+68.21 △ 15° 51' Rt. N27°30'W

+50

1

0 +50

N3 0+0.0 △

T 110.7 +94.9 △ 112° 57½' Rt. N41°30'W.

N 14° 5½' E

N 14° 9' W

16'

13'

△ 1+68.21

16'

19'

13'

Sacramento Southern R.R.

Sacramento

S 38° 58½' W To Sacramento

Col. Course No. Line N 10° 4½' E

" " N3 " N 6° 5½' "

+52.85 △ See page 38 Diff 4° 46'

+50

12

No. 11+50

refer to page 38. for true no. bearing & distance

91.88

△ N3 12+99

<21'>

<22'>

<24'>

N3 9+34.11

N 16° 5½' E

Meander of Snodgrass Slough

+50 Angle Mag. Bear.

8 See page 38. P 34 Butte

+50 S 38° 57½' E 7'

7 11'

+50 5'

6 11'

+80 12'

+98.31 △ 33° 54' Rt. S 39° 0' E.

+95 E. Edge of Beaver Cut. 15'

+68 W. " " " " 6'

+50 15'

5 18'

+50 S 29° 51½' E 15'

4 10'

+50 18'

3 13'

Tules. Pond Willow Brush North Branch Slough

+50 6'

+43.43 △ 24° 0½' Lt. S 75° 0' E 4'

2 14'

+50 S 48° 51' E 20'

1 18'

0+50 10'

Snodgrass

N.A. 0+0.0 △

T 1187+94.9 △ 74° 49½' Lt. S 49° 30' E Sacramento S 26° 58½' W

Cal. Course M.S. Line N 6° 51½' E

" " M.P. " N 10° 51½' E

Diff. = 4° 46'

Continued on page 36.

+90 △ 10+90

+50 M.P. 12+50.8 Sacramento Slough 9+80 See page 49

10 " " 56

9+50 N 6° 51½' E M.P. 10+80 Willow Brush Snodgrass Slough N.E. Bank 6' 4'

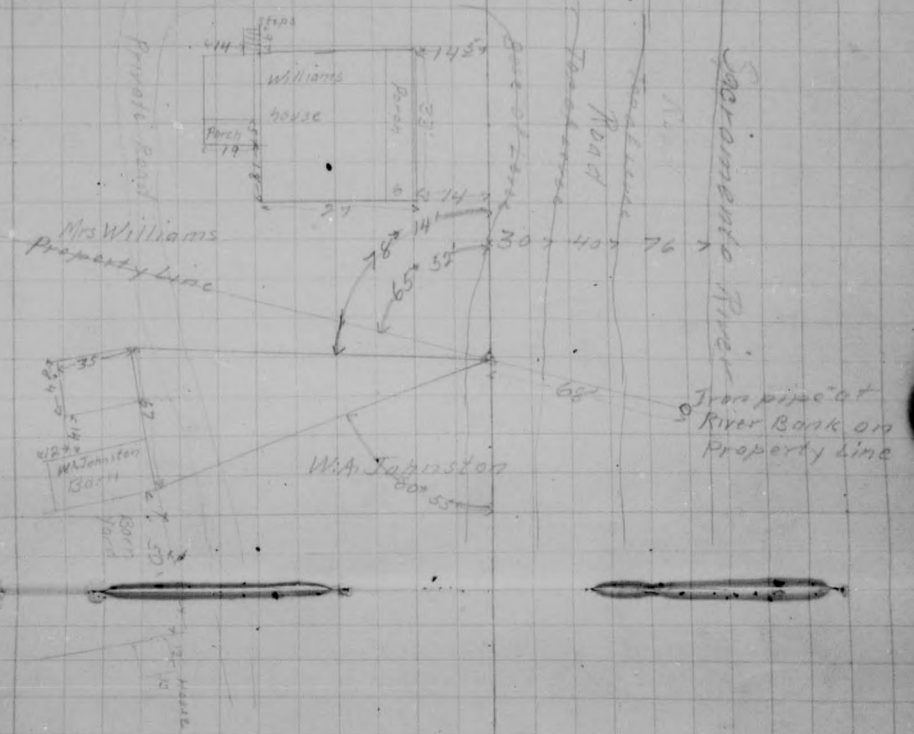
H

Aug 31 1907

706+72
+49.25

+39
706

705+92.25


Williams House
Porch
Mrs Williams Property Line
Private Road
Road
Road

H

716
+50
715
+85
+50
+10
714
+50
713
+50
712
+50
711
710 + 97 ft

Beans and Tomatoes

Melons

Private Road

For Topog. see page 57

24' offset pt from P.S.T.

Base of Levee Fence

CC 9° 30' Lt

Road

Lot

Lot

Sodom

Ohio River

Tot. Curvature 5° 40' 00" T. Pt. = 509.77

1677
710 + 377
710
+50
709
+80
+50
708
+51 ft
+50
707
+90 ft

B.C. T 3 Lt

offset 24'

Private Road to 774.45

Pear Orchard

offset 24'

Road

offset 24'

0283

Aug 29 1907

H

+50
728
+50
+34
+85
727
+50
726
+50
725
+50
724
+50
723
+50

Fence
or Lane
or private road

W.A. Johnston

Mrs Williams
Cultivated Land
Fence frequently dead
Beans

Base of Line
Base of Line
Base Fence
Top of Fence
Base Fence
Top of Fence
Base Common
Level
Fence
Fence frequently dead
Top of Fence
Franklin Road
Borrow pit
Fence
Private road
Private lane for stock
Base of Line
89°40'
64°02½'
H 720+923
54 +24 +40 +54 +75 +100 +1287 1607

722
+50
721
+50
720
719 +51'
+21'
718 + 97'
+50
718
+63
+50
+43
717
+50

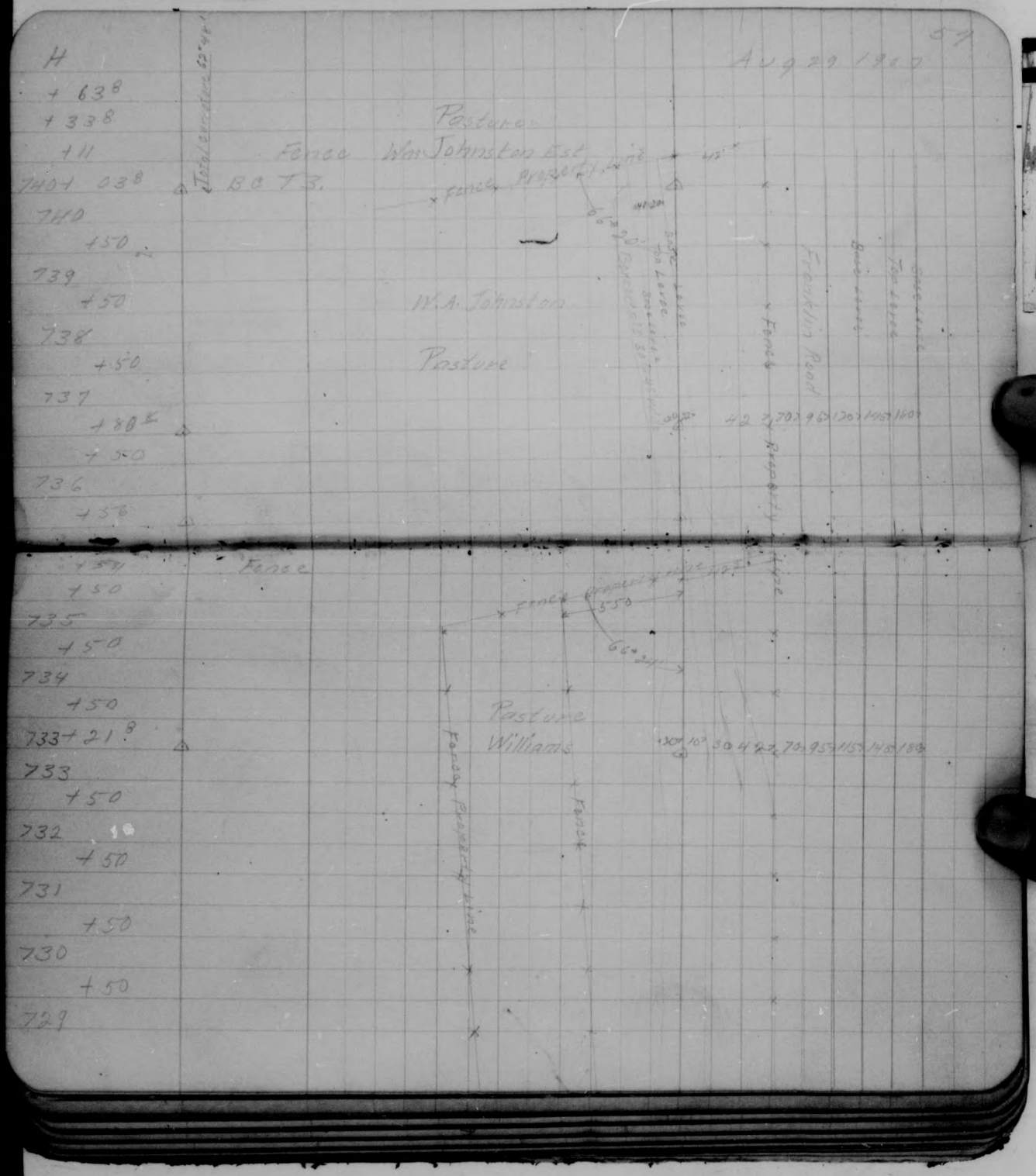
EC
C.C. T3

Length main curve 223 ft

Great Western Power Co
Transmission Line to Hood

Fence
Lane
Private Road
5°30'
12'

0284


H
+ 63.8
+ 33.8
+11
740+ 03.8
740
+50
739
+50
738
+50
737
+80.8
+50
736
+56
+50
Fence
+50
735
+50
734
+50
733+21.8
733
+50
732
+50
731
+50
730
+50
729
Aug 29 1900
Pasture
Wm Johnston Est
Fence
B C T B.
Property line
Fence
W.A. Johnston
Pasture
Franklin Road
Fence
Property line
Fence
Property line
Pasture
Williams
Fence
Property line
Fence

"H" Line Franklin Road Levee

Aug 28 1907

See Level Book # 13, page 59.

Radius 0° 30' at Curve

H 740+08 △ P.F. # 9 Frog

747

746+78.2 △ F.C.

+50

746

+50

Fence

Henry Frey Pasture

Henry Frey Pasture

+23

+21 Fence

745

+50

744

+50

743

+87 Top of Levee Edge of Franklin Road

+66 Property line

+60 △ Top of Levee Edge of Franklin Road

+34 Base of Levee

742

+50

741

+93.8 △ S.C. C.C. 10° 00 Rt.

S.T. 7+ = 394.2'

S.T. = 350.8' Length of Curve

Base of Levee

Tabaston Estate

For additional Topography see Page 56.

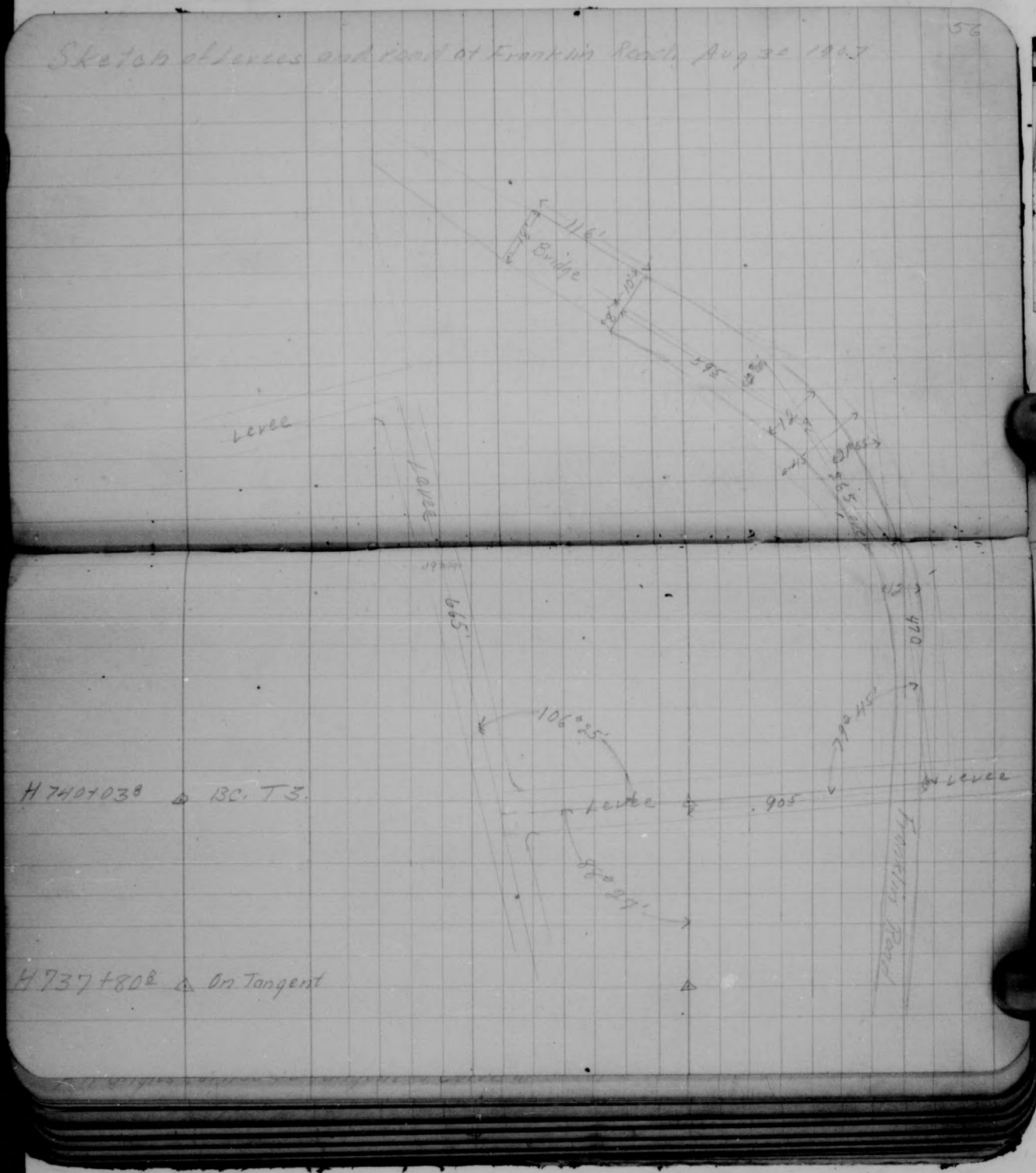
Fence

Garrison

All angles turned to Tangent to curve at each point.

0286

Sketch of levees and road at Franklin Reach Aug 30 1907



H

Sketch of Parsonage and Church

Aug 31 1907

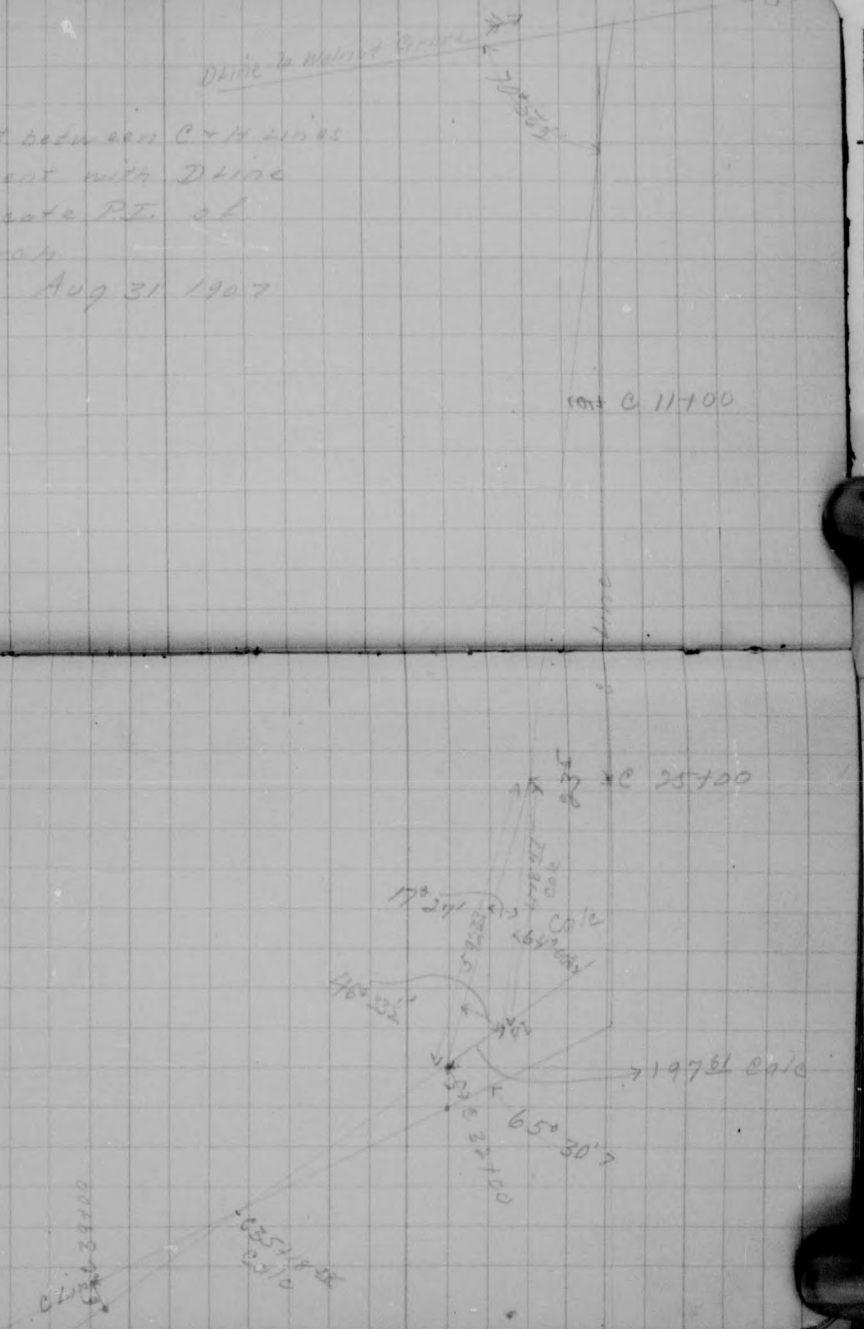
57

H

58

Sketch showing tie out between C & H lines
also tie out of H line tangent with D line
and Triangulation to locate P.T. of
curve inside of church

Aug 31 1907



N3 Meander of Snodgrass Slough

50					
+11.3	Δ = 7+36.3	N31°30'E			
+05	Δ 22°00' Rt.				
49					
48					
47					
46					
45					
+65		N9°10'E			
44					
43					
42					
+10	Δ 10°40' Lt	N9°30'E			41+10
41					
40		N19°50'E			
+80	Δ 30°30' Rt	N20°E			39+80
39					
38					
37		N10°40'W			
+70					
+15	Δ 54°0' Rt	N11°W			36+15
36					
35					
34					
33		N64°40'W			
32					
31					
30					
+35	Δ 72°50' Lt	N64°30'W			29+35

N3 29 Continued from page 36.

DIRECTION OF DREDGER CUT

SNODGRASS SLOUGH

Talus

Talus

Field Notes of Boundary Line taken by E.P. Griffiths August 1912. Copied from sketch Sept 7, 1912. K.V.H.

Swamp Land Survey 1000 Boundary

E. Ditch

Iron Pipe 7+36.3

56°56½' 5+94 East of Ditch

2"x3½' Iron Pipe 2+30 Edge of Bottom Pit

Dredge Cut - Bottom Pit

0+70 Edge of Bottom Pit

0+00 D 1066+38.5 Δ on Tang. = 32°17½'

0620

M3

Meander of Spoolpose Slough

Col D Line S79°17'E
" M3 " N7°30'E
Diff 14°47'

See page 40.

+45 △
65
64
+55
63
+90 △ 22°30' Rt N8°E
62
61
60
+60
59
58
57
56
55
+65 △ 10°20' Lt N15°W
54
53
+15 △ 36°10' Lt N4°30'W
52
51
+65
M3 50 +48

N7°30'E
N15°30'W
N4°40'W
N31°30'E

551

DISTRICT
DREDGER
OUT

Closed with Weeds

50 -36½
50 -37½
-27½
-25½
53' -49½
53' -52½
48' -54½
64' -20½

SLOUGH
N. BRANCH
SNODGRASS
TULES
BEAVER OUT

Boundary Line To Walnut Grove
D1049½ Rt
S7°30 17'E
S73°30'
S15°35'
S1°
S1°
Southern R.R.

0291

"T" LINE

Transit Notes copied from Book #11, pages 38 to 47
Notes taken by Drury Butler. Notes copied Oct. 14, 1911. H.V.M.
See Level Book No 13, page 52, for "T" Line Level Notes.

1124
1123
1122 — Pasture unreclaimed
1121 — Hub set at Locke, Van Loben Sels corner
1120 — N.B. As this corner was gone, the approximate location was obtained from Mr. Fountain, but not accurately owing to high water.
1119
1118 — 364.5 — +45°19' — 117°52'
1117
+78.5 — Hub set in old hole where post was set on Locke, Van Loben Sels Line — 99.5
1116
+05 — See page 40 of this book for property line between P.J. Van Loben Sels and G.W. Locke — +05 Water edge
1115 — Slough approximately
1114 — parallel to Snodgrass Slough
+45 — +45 Water edge

1113
1112
1111 — Calculated Course S 25°56' W
+15.5 — End of Tule
1110
+50 — Tule and Overflowed Land
+03.7
1109 — Accepted Course
+92 — +92 Edge of Snodgrass Slough
+50 — stake not set
+10 — +10 Edge of Snodgrass Slough
1108
"T" 1107+60.5 E.C. — S 7°30' W.
"D" 1108+65.3 on Tang.
"D" 1108+72.2 on Tang. (calculated)

Transit Notes continued from page 29.
See Level #13, page 52.

0292

"T"

1146
1145
1144
1143
1142
1141
+50
1140
+81[4]
1139
1138
1137
1136
+71[1]
1135

Course S 25° 56' W

Locke Lake

+50 Water edge
N.B. Tide water so water edge is very uncertain.

Pasture Unreclaimed

+60
1134
1133
1132
1131
1130
1129
+58
1128
1127
+50[9]
1126
1125
+70
T 1124+25

Calculated.

+60 Water edge.

500 250

Dec. 12, 1906.

+58 Water edge.

Owing to high water ere the Topography was taken these Lakes and Sloughs could not be measured up.

Slough

+70 Water edge.
+25 Water edge

1170 +74.4
+50
1170
T 1169+51.1 on Tang = 0+00 Traverse of Levee
1169
1168 See Level #13, page 68.
1167+44.3
1167
1166
1165
1160
1159

Fence
Borrow Pit.

Mrs. M.L. Wise

T. 1170+105 Property Line
Fence
Levee
Traverse line
Levee
Tot Levee
Geo. Locke

S 25° 56' W

Calculated Course

+75.7
1158
1157
+31
+10
1156
1155
1154
1153
1152
1151
1150
1149
1148
T 1147

150
Pasture

+10 Water edge

Locke Lake

Pump Stack

Locke Back Levee
Toe of Slope

0294

"I"

1187+88.4
1187
1186
+10
1185
+91.1
+38.7
+21.3
1184
+64.4
1183
1182
1181
+57.3
1180

Course S 25°56' W

Property Line — J. L. Wise
Property Line
Ditch — Iron Pipe on L. Base of Levee
85°18'
Mrs. N. J. Wise
20° offset
Corner of Barn
Corner of Barn
"5" 1183+45.24 } See
Note:- "T" 1183+45.24 } page 67.
Fence
Barn
Corral
House
Crest of Levee
279± to Fence
302± to Crest of Levee
Lane 25 ft wide
Property Line
Fence
See page 66
20° offset
+50 Edge of Alfalfa

1179
1178
1177
1176
+95
1175
1174
1173
1172
+03.7
"T" 1171

Calculated

Mrs. Jessie Wise
Cultivated Ground
Crest of Levee
Fence
Fence Property Line
Mrs. M. L. Wise
For additional Topography
See pages 67 and 68
Alfalfa
Also see Pipes and Property Lines
Field Book #48, page 37.
Oak Tree on West of Levee on Locke-Wise Line
Fence
103.7 Fence
Fence
Fence
Levee

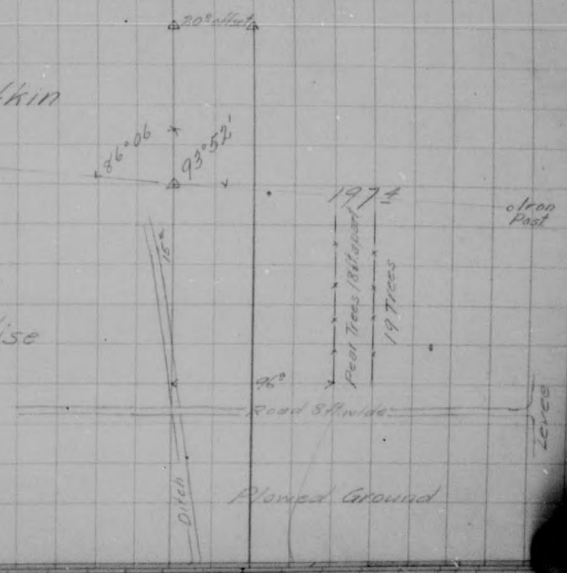
"T"

Transit Notes copied from Book #11, pages 38 to 47
Notes taken by Drury Butler. Notes copied Oct. 14, 1911. H.W.M.

Continued in Transit Book #8, page 15
See Level Book #13, page 70

"E" 1420+45 ℄ E.C.
"T" 1197+43.7 on Tang
1197
1196
1195
+83 ℄
1194
1193
1192
1191
+50
+17
1190
1189
"T" 1186

Calculated Course S25°56' W



"S" LINE for Spur at Walnut Grove

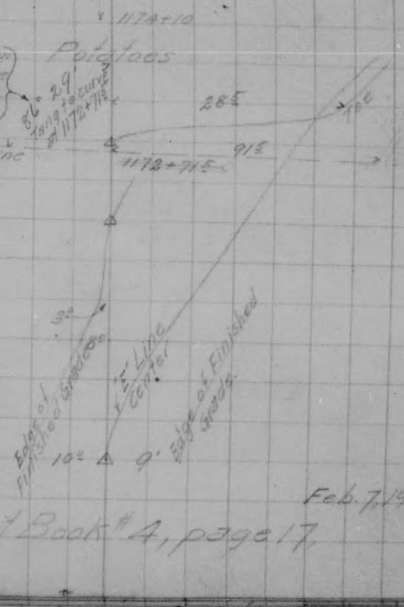
Transit Notes copied from Book #11, pages 76-78

Notes taken by A.G. Scurfield

Notes copied Oct. 16, 1911. H.V.M.

(For "S" Line level notes see level book #13, page 1)

1177+84		T.G. 4°30'
+54		
1177+24.25 △	B.C. T3	25 ft. offset on Left.
1175+56 △		25 ft. offset on Left.
1175+41		House
1175+03.6		House
1174+79.9 △	E.C.	
+49.9		T.G. 2°15'
1174+19.9 △	5°23½'	C.C. T3L
1174	4°38.5'	T.G. 10°47'
+50	2°46.2'	L.G. 143.27'
1173	0°53.7'	
1172+76.1 △	0°00'	C.C. T30L
+46.1		T.G. 2°15'
1172+16.1 △	B.C. T3L	
1172		
1171		
1170		
"S" 1169+66.5 △	on Tang	
"E" 1394+09 △	on 1°30' Curve	



Geo. Locke

Feb. 7, 1907.

Continued in Transit Book #4, page 17.

0297

"S" LINE for Spur at Walnut Grove

Transit Notes copied from Book #11, pages 76 to 78

Notes copied Oct. 16. 1911
H.K.M.

"T" 1183+45.24

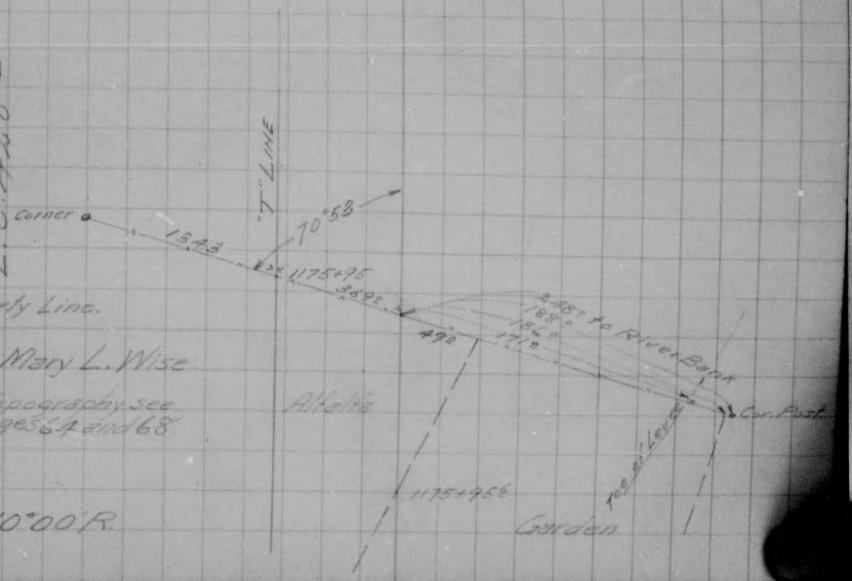
"S" 1183+45.24 on Siding. H.B. to Spur. 13 ft. Right of "T" 1183+45.24

1182+72.22 17" Rt. 6°22' R.

1182+42.22 21°24½' E.C.

1182	19°17.8'
+50	16°47.8'
1181	14°17.8'
+50	11°47.8'
1180	9°17.8'
+50	6°47.8'
1177+03	Property Line.
1179	4°17.8' Mary L. Wise
	For Topography see pages 64 and 68
+50	1°47.8'
"S" 1178+14.05	0°00 C.C. 10°00' R.

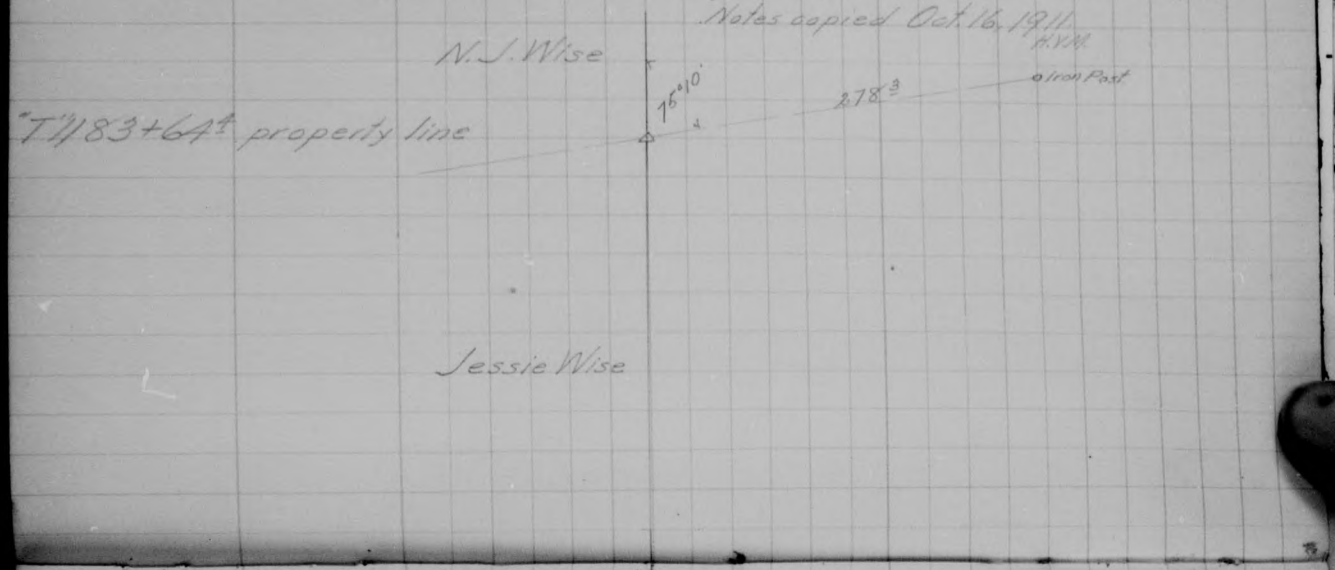
T.C. 42°49'
L.C. 42°8.17

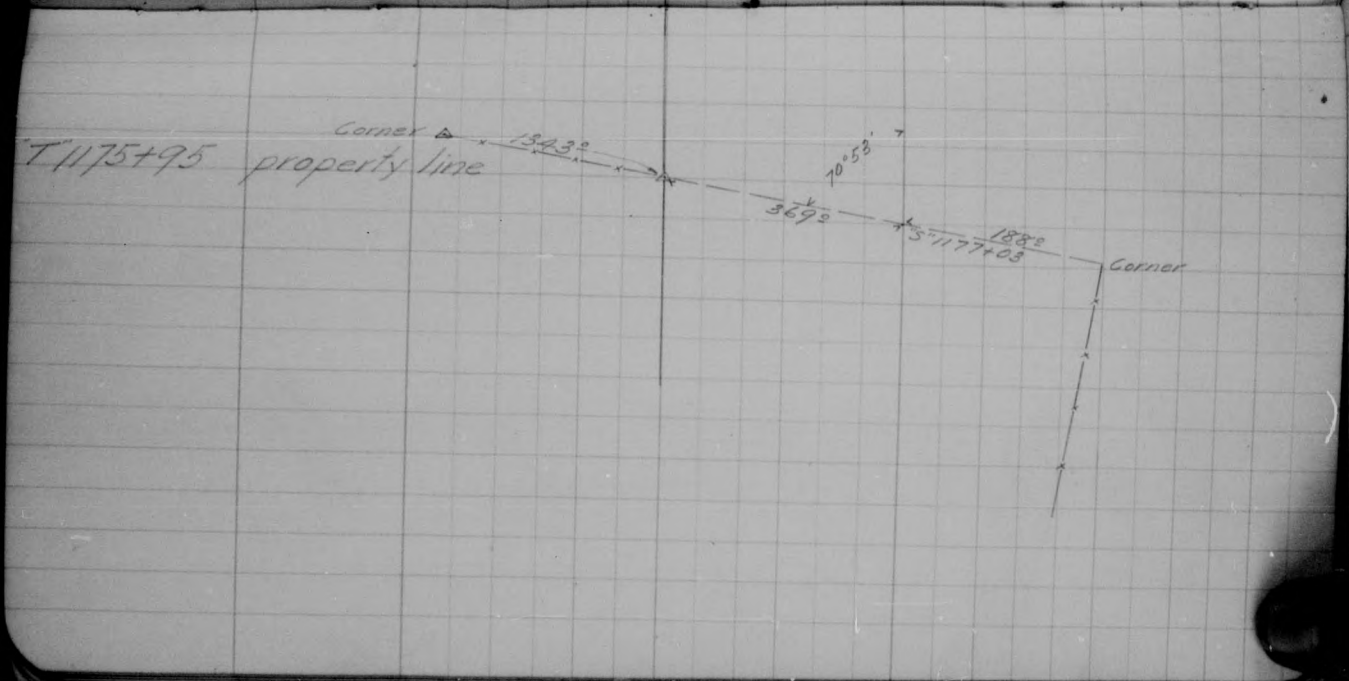


Connection of "T" and "S" Line with property lines

Transit Notes copied from Book # 11, page 79 June 12, 1907

Notes copied Oct. 16, 1911 H.V.M.

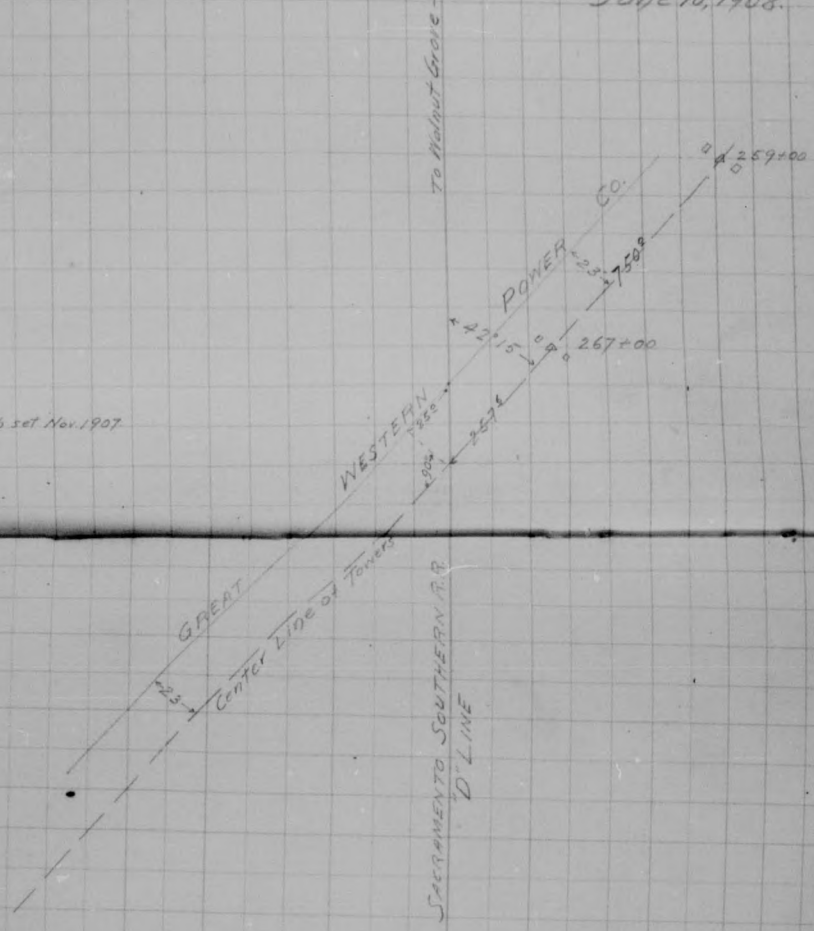




02969

Intersection of Sacramento Southern Railroad and
Great Western Power Company Pole Line.

June 10, 1908.



"D" 786+33.2
=
269+22.2 Tower Line

Hub set Nov. 1907

"D" 785+99.2 ∆ 42°15' R.
269+57.6 Tower Line

I could find no points on center line, so set up and took angle to offset line. This offset line is center of Tower Line.
Information about transit points and stationing received from Mr. Purcell, Surveyer of Great Western Power Co.

Copied from notes of P.E. Dutour.
H.L.N.

P.E. Dutour.

0300

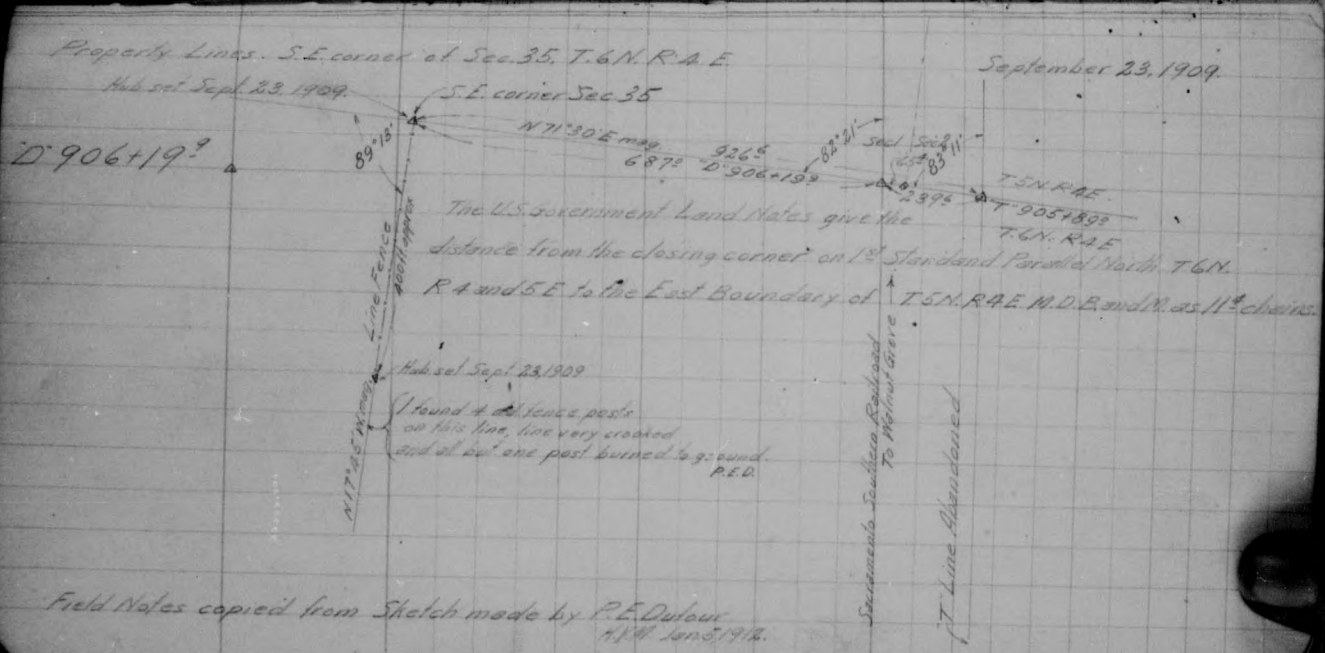
Survey of Borrow Pit on "H" Line showing Strip to be Deeded to Hood Improvement Company. Notes copied from Miscellaneous Cross Section Book 50, page 36. H.W.M. 8/22/12

Field Work May 24-28, 1912.

Property Lines. S.E. corner of Sec. 35, T.6N. R.4.E.

Hub set Sept. 23, 1909.

September 23, 1909.



The U.S. Government Land Notes give the distance from the closing corner on 1st Standard Parallel North T6N. R4 and 5E to the East Boundary of T5N. R4E. M.D.B. and M. as 11.9 chains.

Field Notes copied from Sketch made by P.E. Dufour H.W.M. Jan 5 1912.

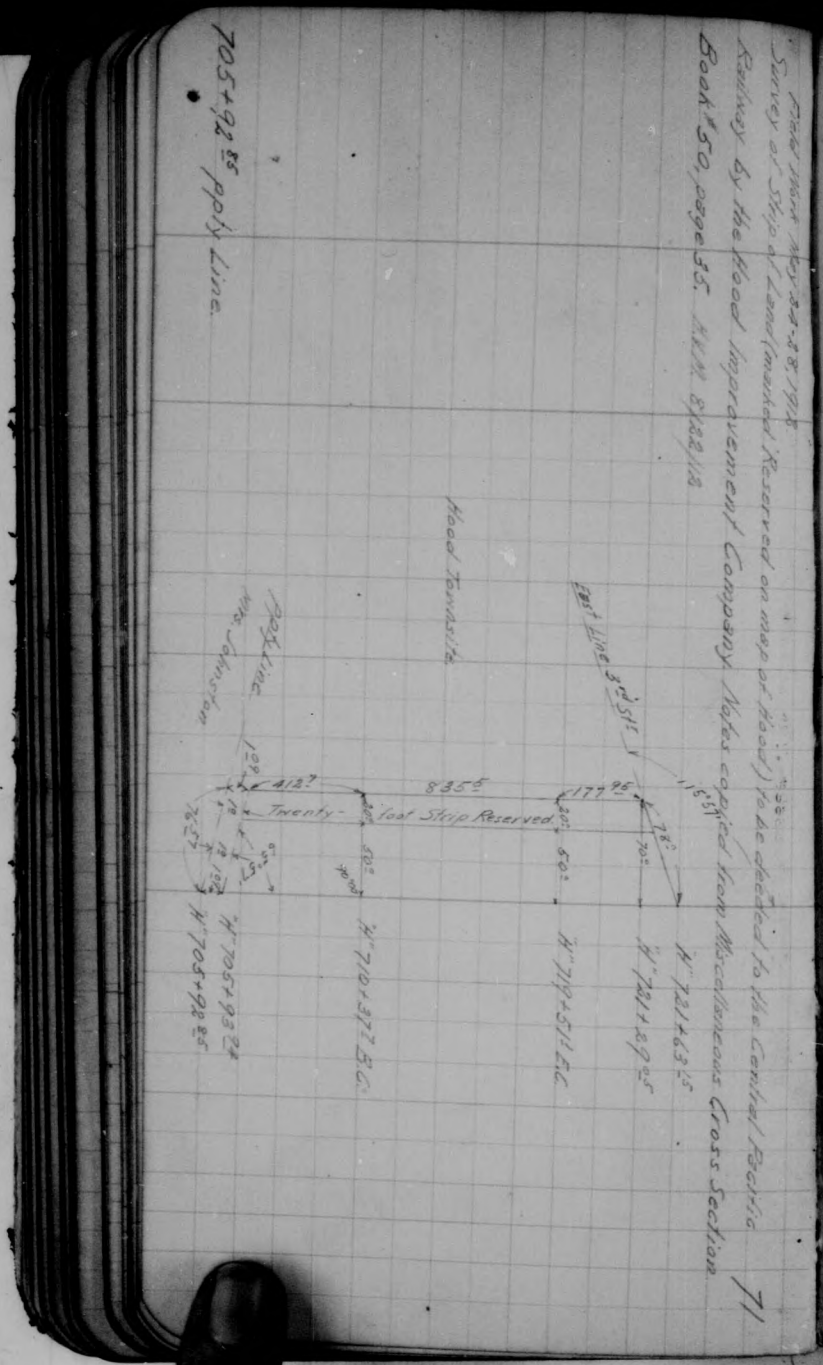


Table.—VII.—Tangents and Externals to a 1° Curve.

Angle	Tangent	External	Angle	Tangent	External	Angle	Tangent	External
31°	1589.0	216.3	41°	2142.2	387.4	51°	2732 9	618.4
10′	1598.0	218.7	10′	2151.7	390.7	10′	2743.1	622.8
20	1606.9	221.1	20	2161.2	394.1	20	2753.4	627.2
30	1615.9	223.5	30	2170.8	397.4	30	2763.7	631.7
40	1624.9	226 0	40	2180.3	400.8	40	2773.9	636.2
50	1633.9	228.4	50	2189.9	404.2	50	2784.2	640.7
32	1643.0	230.9	42	2199.4	407.6	52	2794 5	645.2
10	1652.0	233.4	10	2209.0	411.1	10	2804.9	649.7
			20	2218.6	414.5	20	2815.2	654 2
							2825.6	658.8

Table V.—Inches in Decimals of a Foot.

1-16 .0052	3-32 .0078	⅛ .0104	3-16 .0156	¼ .0208	5-16 .0260	⅜ .0313	½ .0417	⅝ .0521	¾ .0625	⅞ .0729

1 .0833	2 .1667	3 .2500	4 .3333	5 .4167	6 .5000	7 5833	8 .6667	9 .7500	10 .8333	11 .9167

Table VI.—Radii, Ordinates and Deflections.

Deg.	Radius	Mid Ord	Tan Def.	Chd. Def	Def for 1 Foot	Deg	Radius	Mid Ord	Tan Def	Chd Def.	Def. for 1 Foot
0° 10′	34377.	.036	.145	.291	0.05′	7°	819.0	1.528	6.165	12.21	2.10′
20	17189.	.073	.291	.582	0.10	20′	781.8	1.600	6.395	12.79	2 20
30	11459.	.109	.436	.873	0.15	30	764.5	1.637	6.540	13.08	2.25
40	8594.4	.145	.582	1.164	0.20	40	747.9	1.673	6.685	13.37	2.30
50	6875.5	.182	.727	1.454	0.25	8	716.8	1 746	6.976	13.95	2.40
1	5729.6	.218	.873	1.745	0.30	20	688.2	1.819	7.266	14.53	2.50
10	4911.2	.255	1.018	2.036	0.35	30	674 7	1 855	7.411	14.82	2.55
20	4297 3	.291	1.164	2.327	0.40	40	661.7	1.892	7.556	15.11	2.60
30	3819.8	.327	1.309	2.618	0.45	9	637.3	1.965	7.846	15.69	2.70
40	3437.9	.364	1.454	2.909	0.50	20	614.6	2 037	8.136	16 27	2.80
50	3125 4	.400	1.600	3.200	0.55	30	603.8	2.074	8.281	16.56	2.85
2	2864 9	.436	1.745	3 490	0.60	40	593.4	2.110	8 426	16 85	2.90
10	2644.6	.473	1.891	3.781	0.65	10	573.7	2 183	8.716	17 43	3.00
20	2455.7	.509	2.036	4.072	0.70	30	546.4	2.292	9.150	18 30	3.15
30	2292.0	.545	2.181	4.363	0.75	11	521.7	2.402	9.585	19.16	3.30
40	2148.8	.582	2.327	4.654	0.80	30	499.1	2 511	10.02	20.04	3.45
50	2022.4	.618	2 472	4.945	0.85	12	478.3	2.620	10.45	20.91	3.60
3	1910.1	.655	2.618	5.235	0 90	30	459 3	2.730	10.89	21 77	3.75
10	1809.6	.691	2.763	5.526	0.95	13	441.7	2 839	11.32	22 64	3.90
20	1719.1	727	2.908	5.817	1.00	30	425.4	2.949	11.75	23.51	4.05
30	1637 3	.764	3.054	6.108	1.05	14	410 3	3.058	12.18	24 37	4 20
40	1562.9	.800	3.199	6.398	1.10	30	396 2	3.168	12 62	25.24	4.35
50	1495.0	.836	3.345	6.689	1.15	15	383.1	3.277	13.05	26.11	4 50
4	1432.7	.873	3.490	6.980	1.20	30	370 8	3.387	13.49	26.97	4.65
10	1375.4	.909	3 635	7.271	1.25	16	359.3	3.496	13.92	27 84	4 80
20	1322.5	.945	3.718	7.561	1.30	30	348.5	3.606	14 35	28 70	4 95
30	1273.6	.982	3.926	7.852	1.35	17	338 3	3 716	14 78	29.56	5 10
40	1228.1	1.018	4.071	8.143	1.40	18	319 6	3.935	15 64	31.29	5.40
50	1185.8	1.055	4.217	8.433	1.45	19	302 9	4.155	16 51	33.01	5 70
5	1146.3	1 091	4 362	8.724	1 50	20	287 9	4.374	17.37	34 73	6 00
10	1109.3	1.127	4.507	9.014	1.55	21	274 4	4.594	18.22	36 44	6 30
20	1074.7	1.164	4.653	9.305	1.60	22	262 0	4.814	19 08	38.16	6.60
30	1042 1	1.200	4.798	9.596	1 65	23	250.8	5 035	19.94	39 87	6 90
40	1011.5	1.237	4 943	9.886	1 70	24	240 5	5.255	20 79	41 58	7.20
50	982.6	1 273	5.088	10.18	1.75	25	231 0	5.476	21 64	43.28	7.50
6	955.4	1.309	5.234	10.47	1.80	26	222.3	5.697	22 50	44.99	7.80
10	929.6	1.346	5.379	10.76	1.85	27	214.2	5.918	23.35	46.69	8 10
20	905.1	1 382	5 524	11 05	1 90	28	206 7	6.139	24.19	48.38	8 40
30	881.9	1.418	5.669	11.34	1 95	29	199 7	6.360	25.04	50.07	8.70
40	859.9	1.455	5.814	11.63	2.00	30	193 2	6.583	25.88	51.76	9.00

0302